

OFFICIALAmended Claims

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1. (amended) A composition comprising a partially dehydrated product made by:
(I) Reacting (A) a hydrocarbyl substituted succinic acid or anhydride with (B) a polyol, a polyamine, a hydroxylamine, or a mixture of two or more thereof, to form a first intermediate product comprising: an ester, partial ester or a mixture thereof when (B) is a polyol; an amide, imide, salt, amide/salt, partial amide or mixture two or more thereof when (B) is a polyamine; or an ester, partial ester, amide, partial amide, amide/salt, imide, ester/salt, salt or a mixture of two or more thereof when (B) is a hydroxylamine, a mixture of a polyol and a polyamine, a mixture of polyol and a hydroxylamine, a mixture of a polyamine and a hydroxylamine, or a mixture of a polyol, a polyamine and a hydroxylamine; the hydrocarbyl substituent of said acid or anhydride having an average of about 12 to about 24 carbon atoms; and

(II) heating said first intermediate product at an effective temperature to form a second intermediate product with water of reaction being formed, and separating a portion of said water of reaction from said second intermediate product to form said partially dehydrated product, when (A) is said succinic anhydride the amount of water of reaction that is separated is from about 0.2 to about 0.9 moles of said water of reaction per equivalent of said succinic anhydride, when (A) is said succinic acid the amount of water of reaction that is separated is from about 1.2 to about 1.9 moles of said water of reaction per equivalent of said succinic acid, said partially dehydrated product having a total acid number in the range of about 20 to about 100 mg of KOH/g.

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2. (deleted)

3. (deleted)

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11. (amended) The composition of claim 1 wherein said polyol is a polyhydric alcohol having at least three hydroxyl groups, some of the hydroxyl groups being esterified with an aliphatic monocarboxylic acid, at least two of the hydroxyl groups not being esterified.

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23. (amended) A composition comprising a partially dehydrated product made by:

(I) reacting (A) a hydrocarbyl substituted succinic acid or anhydride with (B) a polyamine, a hydroxylamine, a mixture of a polyol and a polyamine, a mixture of polyol

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and a hydroxylamine, a mixture of a polyamine and a hydroxylamine, or a mixture of a polyol, a polyamine and a hydroxylamine, to form a first intermediate product comprising: an amide, imide, salt, amide/salt, partial amide or mixture two or more thereof when (B) is a polyamine; or an ester, partial ester, amide, partial amide, amide/salt, amide, ester/salt, salt or a mixture of two or more thereof when (B) is a hydroxylamine, a mixture of a polyol and a polyamine, a mixture of a polyol and a hydroxylamine, a mixture of a polyamine and a hydroxylamine, or a mixture of a polyol, a polyamine and a hydroxylamine; the hydrocarbyl substituent of said acid or anhydride having an average of about 12 to about 24 carbon atoms; and

(II) heating said first intermediate product at an effective temperature to form a second intermediate product with water of reaction being formed, and separating a portion of said water of reaction from said second intermediate product to form said partially dehydrated product, when (A) is said succinic anhydride the amount of water of reaction that is separated is from about 0.2 to about 0.9 moles of said water of reaction per equivalent of said succinic anhydride, when (A) is said succinic acid the amount of water of reaction that is separated is from about 1.2 to about 1.9 moles of said water per equivalent of said succinic acid, said partially dehydrated product having a total acid number in the range of about 20 to about 100 mg of KOH/g.

24. (amended) A process, comprising:

(I) reacting (A) a hydrocarbyl substituted succinic acid or anhydride with (B) a polyol, a polyamine, a hydroxylamine, or a mixture of two or more thereof, to form a first intermediate product comprising: an ester, partial ester or mixture thereof when (B) is a polyol; an amide, imide, salt, amide/salt, partial amide or mixture of two or more thereof when (B) is a polyamine; or an ester, partial ester, amide, partial amide, amide/salt, imide, ester/salt, salt or a mixture of two or more thereof when (B) is a hydroxylamine, a mixture of a polyol and a polyamine, a mixture of a polyol and a hydroxylamine, a mixture of a polyamine and a hydroxylamine, or a mixture of a polyol, a polyamine and a hydroxylamine; the hydrocarbyl substituent of said acid or anhydride having an average of about 12 to about 24 carbon atoms; and

(II) heating said first intermediate product at an effective temperature to form a second intermediate product with water of reaction being formed, and separating a

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cont.

portion of said water of reaction from said second intermediate product, when (A) is said succinic anhydride the amount of water of reaction that is separated is from about 0.2 to about 0.9 moles of said water of reaction per equivalent of said succinic anhydride, when (A) is said succinic acid the amount of water of reaction that is separated is from about 1.2 to about 1.9 moles of said water of reaction per equivalent of said succinic acid, said partially dehydrated product having a total acid number in the range of about 20 to about 100 mg of KOH/g.